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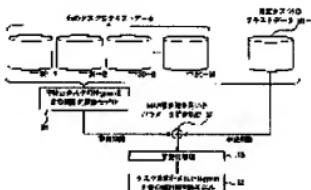
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(54) STATISTICAL LANGUAGE MODEL GENERATOR AND VOICE RECOGNITION DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a generator which generates a statistical language model which more accurately predicts transition probability and is highly reliable, by providing the device with a means which generates a statistical language model which treats transition probability of N-gram (N is natural number more than one) of word for each task.

SOLUTION: Stable parameter estimation is performed using MAP estimating method in which a prior knowledge is a statistical language model including N-gram which is generated based on text data from 30-1 to 30-M of unspecified tasks, and a postprior knowledge is text data 30-i of an aimed specific task (i), and then smoothing process is performed using Back-off smoothing method. Thus, a statistical language model which includes transition probability of task-adoptive N-gram is provided. Where, text data 30-i of the aimed specific task (i) is one of text data 30-m (m=1, 2, ..., M) of unspecified tasks.



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